

Using Shared Resources for Efficient Crash Investigation



BLUE RIDGE REGIONAL CRASH INVESTIGATION TEAM

Regional Enforcement and
Educational Concepts



Homeland Security

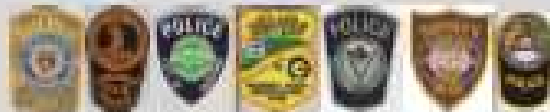
- ICS
- NUGS
- TIMS

Collaboration Components

- Training
- Enforcement
- Public Information / Education

Memorandum Of Understanding





**Rise Ridge Transportation Safety Board and
Central Virginia Transportation Safety Board**

Central Virginia Regional Crash Team

Memorandum of Understanding

Mission Statement: The mission of the Central Virginia Regional Crash Team is to provide a well trained and equipped regional crash investigation team to support local law enforcement agencies in crash investigations and reconstruction.

Purpose: To provide support in crash investigation and reconstruction, investigative support, data collection and general advice upon request relating to motor vehicle crashes that result in serious injury and/or death.

Objectives

A. Training

1. Qualify law enforcement personnel for crash reconstruction investigations
2. Identify all crash reconstruction related training for team members. Participating agencies will be responsible for ensuring training needs related to individual officers
3. Crash team members will participate in occasional joint training exercises as needed. Records for all training will be forwarded to the grant coordinator.

B. Equipment

1. The Central Virginia Regional Crash Team received a \$25,000 grant effective October 2016. This grant was utilized to bring the crash team up to the state level as other teams throughout Virginia.

**“Excuse me, but we’ve already had plenty of
work this year, so please buckle
your seat belt.”**

Click It or Ticket Virginia

A message from the Blue Ridge Regional Crash Teams



Participants

- NTSB
- State - Sec of Public Safety
- Judges
- Commonwealth's Attorneys
- State Police
- Sheriffs
- Chiefs
- Park Authority
- VPI &SU
- Insurance
- Media



Blue Ridge Regional Crash Investigation Team Training Date

On Wednesday, June 16th, members of the Blue Ridge Regional Crash Investigation Teams will be conducting training at the Roanoke County Laurel Mountain Police Driving Range. Team members will be working several crash scenarios to include pedestrian, motorcycle, commercial motor vehicle, and run off road crashes. Each scenario will involve a staged crash with surface marks or other evidentiary items for speed calculations.

While the team members conduct their training, the crash teams will be providing two brief overviews of the team's mission and have displays of equipment utilized during major crash investigations; to include total stations, Crash Data Retrieval system, accelerometers, etc. Team members will be available to answer questions concerning the equipment used by the teams.

Since 2003 the crash teams have had the responsibility to not only investigate major crashes but also create educational programs to target the causative factors discovered during crash reconstructions. The crash teams will have their impaired driving simulator, complete with 'Police' golf cart, 'Fatal Vision' goggles, and coned course, available to be driven by attendees. Attendees will also see demonstrations from the team's air bag simulator sleds.

The two brief overviews of the team's mission will be at 10 AM and 2 PM. After each presentation, attendees will have the opportunity to drive the impaired driving simulator and see an air bag deployment.

Attendees are also encouraged to witness a pedestrian crash that will be performed at the driving range at 1:30 PM. Team members will drive a vehicle into a crash dummy to study the physics involved in such a crash and calculate speed of the vehicle. A second crash will then be performed involving a bicyclist being struck by the vehicle.

To get to the Roanoke County Laurel Mountain Police Driving Range, take exit 132 (Dixie Caverns exit) on I-81 to north on Dow Hollow Road, to left on Twine Hollow Road. Follow Twine Hollow Road to the end and the driving range is located on the right. Stay on the main entrance road to the top of the mountain.

For additional information, contact Steve Goodwin with the Va. Highway Safety Office at (540) 204-9423 or First Sergeant Michael Bailey with the Virginia State Police at (540) 586-7905.



Technical Bulletin Number 1-2010

Determining Coefficient of Friction with the 'Apple iPod Touch'

REGIONAL EDUCATIONAL PROGRAMS



CATCE ROCKY MOUNT

The team presents at CATCE four days each year to hundreds of students in the following classes:

Criminal Justice
Forensic Science
Health
Mathematics
Physics
Engineering





REGIONAL ENFORCEMENT



Southeast Oakland County Crash Investigation Team

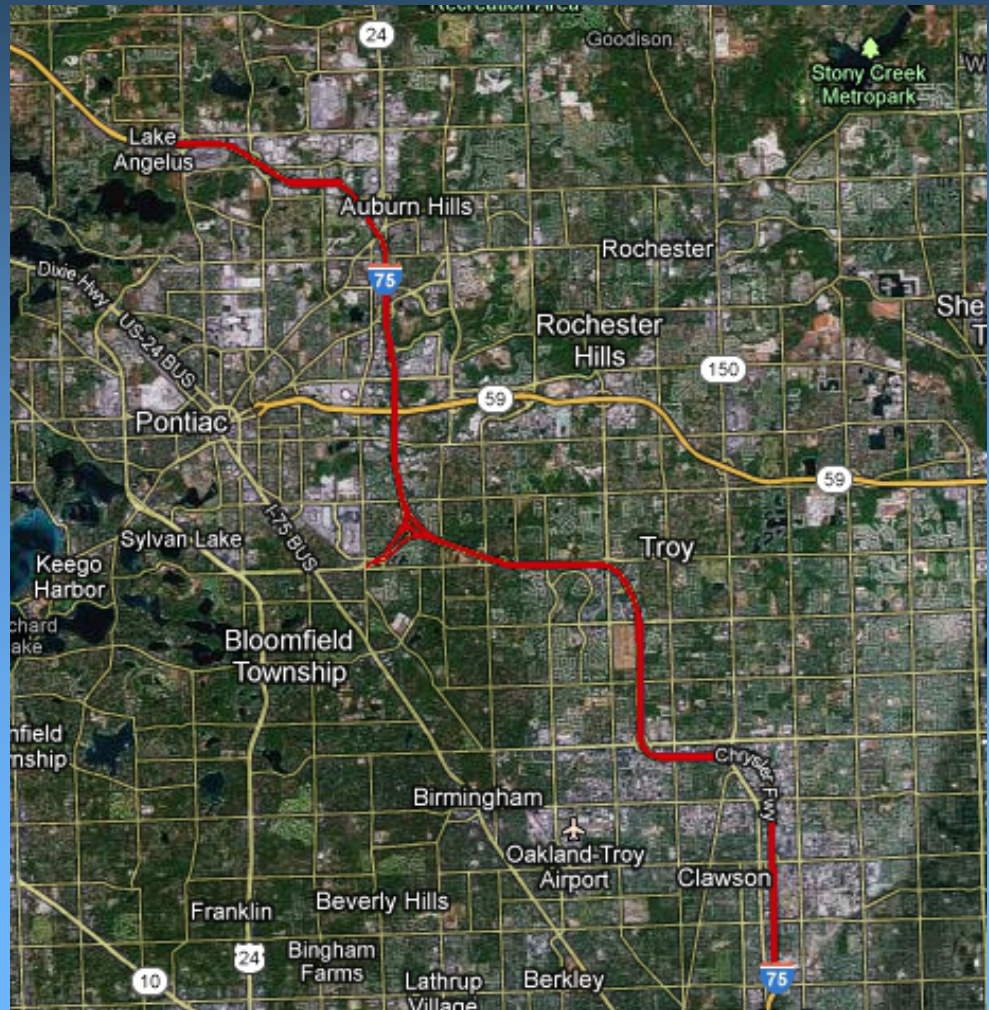




Area of responsibility

Approx. 23 Miles of roadway

Approx. 60,000 vehicles daily



- Adopt the basic operational philosophy “Get in, Get the job done, Get out, and review how you did”.



PPE



Safety Apparel

PPE

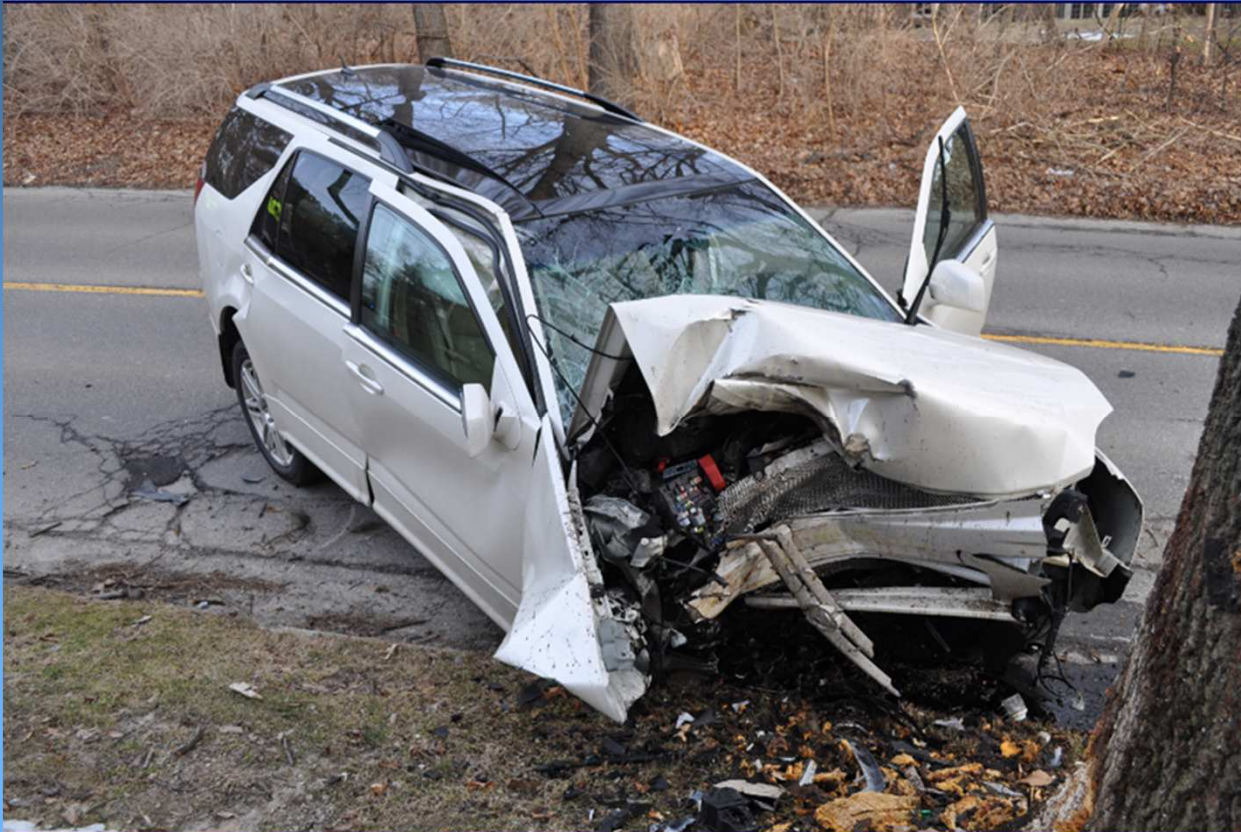


Safety Apparel

“Go Kits” “Smart Books”



Case Reviews



58 Year Old Male

Had dropped off a DVD at library and was returning home to make a flight to California later in the day

He reported at the scene that he had been watching the cell phone just prior to impact.

He was alone in the vehicle when police first arrived on scene.

Suffered serious chest injuries/neck laceration.

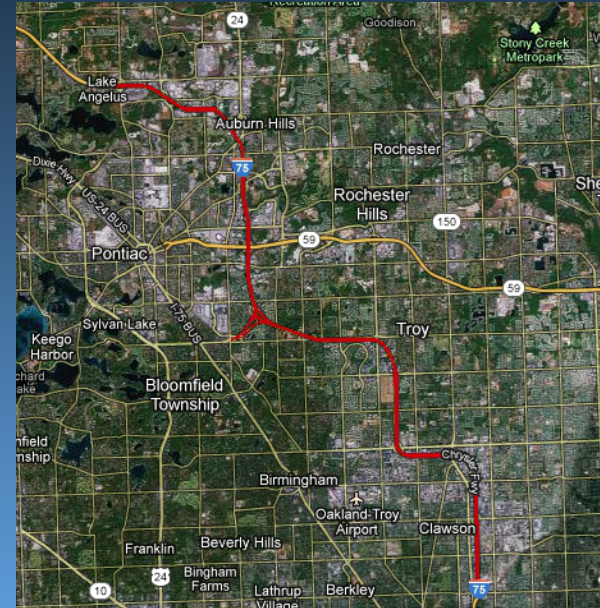
Restraint Status: 3-point belt & airbag.

CDC = 02FDEW5



PDOF = 10
Max Crush = 37 cm

Procedures for Major Incidents



Organizing a Crash Team

- Obtain the support of the administration of the agencies
- Create a written agreement (MOU)
- Inventory assets / Seek funding
- Regular Training
- Create public awareness

- Shared Resources, Training, Practice & Technology
- Visionary Leadership
- Work with a sense of urgency
- Use critical thinking and consider how things can be done differently

To be Effective The Crash Team

- *Must* really function as a team
- Organized, coordinated “team” approach to scene investigation
- Divide and share responsibilities
- Have a plan
- Set goals and objectives, targeted results

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